

60 inch Telescope Log			Spectrograph: <u>FAST</u>			Page: <u>8724</u>
Observer: <u>CALKINS</u>			Grating: <u>300L</u>			Date: <u>8/4/00</u>
PI: <u>All, Wilkes, Kenyon</u>						
Number	Object	R.A.	Dec.	L/R	Exp	Comments
1-10	DARK				15m	
11-20	BKAS				0s	
21-30	FLAT				6s	
31-40	BKAS				0s	
41-50	FLAT				12s	
51, 52	BDP 284211	21 51	28 51	15 56	30s	
53	comp			↑		
54, 55	BDP 284211	21 51	28 51	15 56	50s	
56	comp			↑		
57	N7331	22 37	34 24	15 57	5m	Thin cirrus
58	comp			↑		
59	N7331	22 37	34 24	15 57	3m	
60	comp			↑		
61	SC930.?	18 42	79 46	15 6	10m	
62	comp			↑		
63	MR6509	20 44	70 42	15 6	5m	
64	comp			↑		
65	Akn 564	22 42	29 44	15 6	5m	
66	comp			↑		
67	N7469	23 03	8 52	15 6	2.5m	Row 75
68	comp			↑		
69, 70	V1413Agl	19 03	16 26	15 12	1.8m	much extinction
71	comp			↑		
72-74	BFCy9	19 23	29 40	15 12	3s/pos 2m	
75	comp			↑		
76-78	C+CCy9	19 23	29 40	15 12	1/5/50	
79	comp			↑		
80-82	HMSce	19 41	16 44	15 12	29/40/4m	
83	comp			↑		
84-86	A360	19 45	13 36	15 12	30/60/2m	

60 inch Telescope Log			Spectrograph: <u>FAST</u>			
Observer: <u>GUSTUS</u>			Grating: <u>700L</u>		Page: <u>872.5</u>	
PI: <u>Kenyon, AI</u>			Date: <u>8/4/00</u>			
Number	Object	R.A.	Dec.	L/R	Exp	Comments
87	comp			↑		Thru clouds
88, 89	S129	19 49	46 15	F12	4m/16m	
90	comp			↑		
91-93	CIC 99	19 50	35 40	F12	3/15/10s	
94	comp			↑		
95-97	PLU 61	20 21	21 33	F12	3/15/20s	
98	comp			↑		
99-101	V1016 Cyg	19 57	39 49	F12	5/4/10s	
102	comp			↑		
103, 104	He 2m 467	20 35	20 11	F12	2m/40s	
105	comp			↑		
106, 107	V1329 Cyg	20 50	35 34	F12	10/500s	Thick clouds/storm
108	comp			↑		to east at sunrise
109-118	BTAS				0s	
119-128	FLAT				10s	
129-138	BTAS				0s	
139-148	FLAT				12s	
149-158	DARK				15m	

reduced with Darker 149-157
 Could not get 158 over the rest (down) until
 after reduction were done